

ABSTRACT

A computer system allows client processes to access data through a server process. The server process contains an application and a engine. The engine receives requests in a first language from one of the client processes and issues responses in the first language to the client process. The engine communicates with the application in a second language distinct from the first language, the second language being an object-oriented language. In the second language, objects have properties and associated with events. The application instantiates objects, evaluates properties of instantiated objects based on data and reacts to events. The engine issues responses in the first language to the client process according to the objects instantiated by the application and to their properties; the engine also provides updated properties and events to the application in the second language according to requests received in the first language from the client process.